

Date: Thu, 14 Jul 94 21:07:43 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #793
To: Info-Hams

Info-Hams Digest Thu, 14 Jul 94 Volume 94 : Issue 793

Today's Topics:

ARLB059 Emergency declared
Azden HTs
Beginner Questions
Despite the Flood!
y Areas of 'No Commercial Use'
Kenwood TH79A Mods
Kenwood TM742 and birdies
ening up Kenwood battery pack
TDD to PC?
th78e and antenna tv !!!
Wanted IC-2SAT Manual

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 13 Jul 1994 12:32:38 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!usenet.ins.cwru.edu!lerc.nasa.gov!
kira.cc.uakron.edu!malgudi.oar.net!witch!doghouse!jsalemi@network.ucsd.edu
Subject: ARLB059 Emergency declared
To: info-hams@ucsd.edu

In article <Csu1z7.HC2@news.Hawaii.Edu>, Jeffrey Herman (jeffrey@kahuna.tmc.edu) writes:
>>Emergency declared
>>
>>The FCC's Atlanta office of the Field Operations Bureau on July 8

>>requested all amateurs to cooperate by recognizing the existence of
>>a voluntary communications emergency and therefore relinquishing the
>>use of frequencies between 3972 and 3978 kHz for the handling of
>>emergency traffic.

>
>What was this all about? Was it an exercise?
>

No, it's for emergency traffic during the flooding disaster in southern Georgia.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: 14 Jul 1994 12:16:34 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!spool.mu.edu!darwin.sura.net!
blackhole.delmarva.com!blackhole.delmarva.com!news@network.ucsd.edu
Subject: Azden HTs
To: info-hams@ucsd.edu

I am a new ham (expecting my ticket in 2 weeks - I passed the Tech on 4/12!) looking for a 2-meter HT which doesn't feel like a toy. Guess I've been spoiled with using Motorola HTs for so many years... I saw a brochure for the Azden units, which meet MILSTD 810 for ruggedness and appear to be roughly equivalent to an HT600 or MT1000 in size.

Anyone have any experience with Azden gear which they could share?

Many thanks.

+-----+
| John K. Scoggin, Jr. Email: scoggin@delmarva.com |
| Supervisor, Network Operations scoggin@ee.udel.edu |
| Delmarva Power & Light Company Phone: (302) 451-5200 |
| 500 N. Wakefield Drive NOC: (800) 388-7076 |
| Newark, DE 19714-6066 Fax: (302) 451-5321 |
| Ham: N3??? (real soon now!) |
| The opinions expressed are not those of Delmarva Power, simply the |
| product of an over-active imagination... |
| Just a pothole-patcher on the Information Superhighway. |

-----+

Date: Wed, 13 Jul 1994 12:41:32 GMT

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!usenet.ins.cwru.edu!lerc.nasa.gov!
kira.cc.uakron.edu!malgudi.oar.net!witch!doghouse!jsalemi@network.ucsd.edu

Subject: Beginner Questions

To: info-hams@ucsd.edu

In article <2vvblj\$18m@news.csus.edu>, Dan Brown (dbrown@CSUS.EDU) writes:

> I would really like a book that covers the stuff for the licences,
>but in a different format--something like an actual book on the subject,
>rather than "these are the answers to the questions they'll ask, and the
>reasons why they're right." I'd really like something I'd have a chance
>at finding in a rather well-stocked general bookstore, but any
>recommendations for such a book would be appreciated.

Go back to Radio Shack (or your local ham store) and get a copy of "Now You're Talking!" from the ARRL. It has tons of information in it that you need to know, as well as the question pool.

> In the FAQ, it says that the CW test is administered by playing a QSO and then giving a 10-question multiple choice test on its contents. >If the applicant fails to answer at least 7 questions correctly, the examiner looks for at least one minute of solid copy, no errors. In the book, however, it says that the examiner will first look for one minute of solid copy; if it's not there, s/he will administer a 10-question test of either the multiple-choice or fill-in-the-blank variety. Which of these descriptions is more accurate? The former sounds a bit easier.

Some tests are 10 fill-in-the-blank questions, but all the VE sessions I've seen and participated in check the answers to the questions first, and then check for solid copy if you fail on the questions.

> Other than these tapes, what else might I want to try for learning code? Listening to actual radio stuff is out right now, as I don't have a radio. I'm doing pretty well at 5 wpm so far (about 1/2-way through the course, and still copying 95-100%).

There are excellent computer programs around. If you're using an IBM compatible, look around for SuperMorse or Morse Academy (my personal favorite). I know there are ones for the Macs, but have no personal experience with them.

>

> When I think I'm ready, how do I take the test?

Check at a local ham shop or Radio Shack -- they can probably give you contact information for a local ham club, who either gives the tests or can point you to someone who does. Also, the ARRL posts a monthly list of exams around the country (that they know about), that you can FTP from their server. The info on getting stuff from their server is usually posted here at least once a month, if not more often.

Good luck!

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: 14 Jul 1994 12:26:09 GMT
From: ihnp4.ucsd.edu!swrinde!sgiblab!wrdis02.robins.af.mil!
lakeith@network.ucsd.edu
Subject: Despite the Flood!
To: info-hams@ucsd.edu

[Article crossposted from rec.radio.swap]
[Author was]
[Posted on 14 Jul 1994 12:24:57 GMT]

BIG BOATANCHOR BASH!!!
CENTRAL GEORGIA NATIONAL HAMFEST
PERRY, GEORGIA
August 6, 1994
0800-1500

Now is the time to begin planning to attend the Central Georgia National Hamfest at Perry, GA, on August 6, 1994. The hamfest will be held at the Georgia National Fairgrounds, right off I-75, exit 42.

Activities include:

** The Boatanchor Forum, conducted by Jim Kearman, KR1S. As far as I know this is the first hamfest forum devoted to boatanchors. It

took a little talking to get the hamfest committee to put up the money for Jim's trip. Come on down and help me convince them that they made a good investment.

** A Repeater Forum. (Repeaters are very useful to discuss boatanchors.)

** How to become a Ham Forum. (Boatanchors are much more fun, if you are a ham!)

VEC testing will be conducted. Walkins accepted. (Upgrade now so that you can put a boatanchor on every band!)

Dealer spaces are available inside. If you insist on having such amenities as a table, chair, and air conditioning then this is the place for you.

A large Bone Yard space, right outside the main building, is available for FREE! That's where you will find me along with a pickup truck full of stuff. (Don't have to carry those heavy radios quite so far!) Bring all of your excess boatanchors and let's see how many can find new homes!

Refreshments available at the hamfest. (What's a hamfest without hot dogs?)

Lodging is available in the immediate vicinity of the hamfest.

Talk in: 146.25/85

If you would like more information, please contact

Larry Keith, KQ4BY
231 Shenandoah Trail
Warner Robins, GA 31088-6289
912-329-0030 (no calls after 10PM, EST, please!)

lakeith@wrdis01.robins.af.mil

Hope to see you there!

73,

Larry, KQ4BY

Date: 13 Jul 1994 23:35:43 -0500
From: cs.utexas.edu!not-for-mail@uunet.uu.net
Subject: Gray Areas of 'No Commercial Use'
To: info-hams@ucsd.edu

Question: I'm going for my Tech license on Aug. 1st and I've been thinking of some neat uses for packet radio.

I was thinking of using a laptop + TNC + HT and a PC + TNC + another HT at home and using the laptop to connect to the home PC with packet <said home PC runs UNIX so such things are readily possible>.

One of the niftier uses for such a setup would be able to do things like work on projects from *ANYWHERE* within the range of the two HT's running alone with no help.

But then I was thinking, would, for instance, using such a connection to work on some shell scripts I was writing for my job be considered 'Commercial Use'?

What if I told my PC to dial up my Internet access provider and checked my mail? I've paid them for a service, so is my dialing up their terminal server and logging in a commercial transaction?

Just curious.

-Chris

Date: Thu, 14 Jul 1994 12:02:35 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!saimiri.primate.wisc.edu!relay!
dgarvin@network.ucsd.edu
Subject: Kenwood TH79A Mods
To: info-hams@ucsd.edu

Does anyone know of any mods for the TH79A to open the TX range?

Thanks

--
-----*
| David W. Garvin, Jr. KD4YWN
| NSWCDD EMT-A / Rescue Specialist
| Code L34T Dahlgren Rescue Squad
| Dahlgren, VA 22448-5000 King George County, VA
| dgarvin@nswc.navy.mil
| (703) 663-6960 work

-----*

Date: 14 Jul 1994 11:23:47 -0400
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!zip.eecs.umich.edu!panix!not-for-mail@network.ucsd.edu
Subject: Kenwood TM742 and birdies
To: info-hams@ucsd.edu

Hi Terry:

I have an TM-742A and I don't hear birdies on 2m or 440 but they are
certainly there one 6m. All over the place...

73
Jess Girard
nd1l

nd1l@nd1l.ampr.org (44.88.6.4) (tcpip)
nd1l@kc2fd.ny (ax25)

Date: Thu, 14 Jul 1994 03:55:10 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!saimiri.primate.wisc.edu!hpg30a.csc.cuhk.hk!
hkuxb.hku.hk!pckwong@network.ucsd.edu
Subject: Opening up Kenwood battery pack
To: info-hams@ucsd.edu

J.D. Cronin (jdc3538@ultb.isc.rit.edu) wrote:

:
: I'd like to replace the NiCad cells in the battery pack for
: my Kenwood TH-77A. It's the standard PB-6 pack. There are
: no screws.....
: At least Radio Shack had the decency to use screws.....
:
: 73...Jim
: N2VNO

They use ultrasonic to fuse-up the battery case for
a waterproof (and lower cost of course). If you
think screws is a good idea you have to think about
who pay for that screw first.

OK! Back to your PB-6, if you want to open it up,
you need a thin blade, point it to the fusion line,
give it a hit with a hammer. For a better result,
you need some practice. DON'T hit it too heavy or

you'll break it into pieces. Use chloroform to stick it up after you replace the NiCds if you're luckyly to find some.

- Philips Wong, VR2XVI

Date: Wed, 13 Jul 1994 23:54:07 GMT
From: netcomsv!netcom.com!wco@decwrl.dec.com
Subject: TDD to PC?
To: info-hams@ucsd.edu

Does anyone know of a device/circuit that would let a deaf TDD and a PC with a modem talk to each other? Reason I ask in this news group is I was told TDD is the same (Baudot?) as RTTY.

73 & Thanks.

Clif
KE6HLY

Date: Wed, 13 Jul 1994 20:39:29 GMT
From: ihnp4.ucsd.edu!swrinde!emory!rsiatl!ke4zv!gary@network.ucsd.edu
Subject: th78e and antenna tv !!!
To: info-hams@ucsd.edu

In article <2vqss5\$2st@c700-2.sm.dsi.unimi.it> morandi@c700-2.sm.dsi.unimi.it (Fabio MUCINGHIA II Morandi) writes:
>Hi all,
>i have a problem !!!
>a man that live near my house, say that, when i tal with my radio, him
>tv is disturb !!!! is it possible ????
>i have a comet wx as antenna, a lafayette dc power and Kenwood TH-78E!!!
>There is somebody that can solve my problem ???

Yes, it's possible. We need a bit more information to be of help. First, what TV channel suffers interference? Is it just one channel or all? What frequency are you transmitting on when it happens? One in particular, or all? What does the interference look or sound like on the TV? What kind of antenna is being used on the TV? Is the normal signal on the TV weak or strong?

As I recall, your TV system is all UHF (correct me if I'm wrong). So it's possible that a harmonic of the 2 meter range of the HT is getting into the TV. Or it may be that the TV is suffering fundamental overload from

transmissions on the UHF part of your HT. The latter is unlikely unless the TV signal is weak at your neighbor's set, and unless the antennas are really close together. More likely, if you are transmitting UHF when the interference happens, is that your HT has a spur. Low voltage from the AC adaptor could cause this.

We really need to know what the interference looks like on the screen of the TV. That will tell us a good bit about what kind of interference we are dealing with.

Gary

--

Gary Coffman KE4ZV		You make it,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.	uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244			

Date: 14 Jul 1994 12:50:18 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!agate!garnet.berkeley.edu!
ep208@network.ucsd.edu
Subject: Wanted IC-2SAT Manual
To: info-hams@ucsd.edu

I have lost the manual to my 2SAT and am trying to learn some new things. Can someone send me a xerox of one. I would be glad to pay costs. I recall someone saying something about undocumented functions. Where can one learn about such things?

TX, Woody, W6NEY

Date: Thu, 14 Jul 1994 01:37:01 GMT
From: netcomsv!netcom.com!rogjd@decwrl.dec.com
To: info-hams@ucsd.edu

References <rogjdCsvrpE.4Fy@netcom.com>, <rogjdCsvx8C.DGI@netcom.com>, <3017bb\$e2n@cat.cis.Brown.EDU>--
Subject : Re: Anyone experienced with Cushcraft R7?

Michael P. Deignan (md@pstc3.pstc.brown.edu) wrote:
: In article <rogjdCsvx8C.DGI@netcom.com>,
: rogjd@netcom.com (Roger Buffington) writes:
:
: |> IT IS THE R-7, NOT THE R-5, WHICH HAS THE PROBLEMS WITH THE TRAPS.
: |>

: |> SORRY ABOUT THE SCREWUP. THE R-5 TO MY KNOWLEDGE HAS ***NO*** PROBLEMS
: |> WITH TRAPS.

: Its my understanding that the R5 and R7 use the same traps (i.e. the
: 10 meter trap on both antennas is the same). If indeed this is the
: case, then is it only the 20 and 30 meter traps on the R7 that have
: problems? I can't imagine a 15 meter trap on an R7 having a problem
: yet the same exact trap on an R5 doesn't.

Don't know, Mike. Will find out.

73

--
rogjd@netcom.com
Glendale, CA
AB6WR

Date: Wed, 13 Jul 1994 21:20:22 GMT
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!swrinde!emory!rsiatl!ke4zv!
gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <2vnjd4\$5mg@snoopy.jh.org>, <773932433.36snx@n2ayj.overleaf.com>, <2vsnl8\$jvj@canopus.cc.umanitoba.ca>,,
Reply-To : gary@ke4zv.atl.ga.us (Gary Coffman)
Subject : Re: Amateur calls on auto license plates?

In article <2vsnl8\$jvj@canopus.cc.umanitoba.ca> umthoma5@cc.umanitoba.ca (Craig Thomasson) writes:
>Doesn't an amateur have special privileges in emergency situations in the
>states if he/she has their call on their plate?
>I once asked about this for Manitoba and was told that if your vehicle had
>the call sign as the license, it gave you certain privileges during
>emergencies or accidents, much like a doctor that has a special plate with
>their MD number on it. I'm not sure exactly what these privileges are but
>this is what I was told.

There's no national system in the US, but in some States or localities the presence of a ham tag may, or may not, ease your passage through a roadblock set up to prevent sightseers and looters from entering a disaster scene, depending on how the cop running the roadblock feels about hams. In general though, it's just a vanity plate of a special kind.

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

Date: Wed, 13 Jul 1994 22:15:26 GMT

From: ihnp4.ucsd.edu!swrinde!emory!rsiatl!ke4zv!gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <9407051514.AA26678@pobox.wellfleet>, <2vuenas3mk@network.ucsd.edu>, <2vv0vl\$198@hplvec.lvld.hp.com>

Reply-To : gary@ke4zv.atl.ga.us (Gary Coffman)

Subject : Re: which Ringo do I buy?

In article <2vv0vl\$198@hplvec.lvld.hp.com> scott@lvld.hp.com (Scott Turner) writes:

>Brian Kantor (brian@nothing.ucsd.edu) wrote:

>: My experience with the Ringo antennas is that they're at their best
>: when pounded into the soil as a grounding rod.

>

>I just love the net. Everything tends to take on a binary nature, as
>though the 0's and 1's from the computer were permeating the thoughts
>and ideas of those using it. Everything is either great or it's junk
>with nothing in between.

>

>Ringos are certainly not the best antenna in the world, but they do work
>and they are *CHEAP*, easy to acquire and put up, and easy to tune.

>They provide reasonable bang for the buck. As such they do have a place
>in the world other than as a lousy ground rod :-)

>Scott - singing the praises of mediocrity :-)

Ah, well, that says it all. :-)

It's true that even a wet string will radiate after a fashion. I've even made fairly distant contacts using a lightbulb dummy load. And we all know how good rubber duckies are, but we still use them. Still, there is a large difference between a Ringo and a Comet. There's often enough difference to make the difference between needing an amplifier and not on transmit, and enough difference in receive to make or break a contact. Whether that's important or not to you is an individual matter. It just seems odd to me that people, who will spend *thousands* on radio equipment, balk at spending a few extra dollars for a good antenna system.

A better antenna is almost always more cost effective than a better radio.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: Wed, 13 Jul 1994 22:04:02 GMT

From: ihp4.ucsd.edu!swrinde!emory!rsiatl!ke4zv!gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <9407051514.AA26678@pobox.wellfleet>,
<1994Jul11.122229.1604@ke4zv.atl.ga.us>,
<1994Jul11.215421.8392@enterprise.rdd.lmsc.lockheed.com>
Reply-To : gary@ke4zv.atl.ga.us (Gary Coffman)
Subject : Re: which Ringo do I buy?

In article <1994Jul11.215421.8392@enterprise.rdd.lmsc.lockheed.com>
glyle@isadora.seas.ucla.edu (George Lyle (233789)) writes:

>

>Gary, do you have or can you direct us to any hard data concerning the
>commonly available 2m antennas? You talk about "bang for the buck",
>but I would like to have some more meaningful data to consider.

That's hard to come by. You can't really believe some of the manufacturer's advertising claims, which is why QST stopped printing them, and most antenna measuring contests are either not reproducible, or concentrate solely on the gain of directional antennas. Therefore we have to depend on word of mouth experiences, and on antenna theory, to tell us which omni antennas should work best. It would be interesting and illuminating if the ARRL were to commission a "shootout" between all the major antenna designs, conducted on an independent antenna range. My informal testing and experience says lots of people would be surprised at how their favorite antenna ***really*** performs.

>A longevity note: My father has had a 2m Ringo in continuous service
>for more than 10 years. He lives in northern Nevada with high-altitude
>sunlight, high winds (bent his 35 foot "self supporting" tubular tower
>over 4' above the ground), snow and ice, etc. Longevity is one
>attribute that I can address with authority, and the Ringo seems to be
>acceptable.

On the other grasping member, the Ringos I've had have been prone to rather rapid corrosion, and perform poorly when wet. (Actually they ***always*** performed poorly compared to a good antenna (skewed patterns),

they just got worse when wet. I found that to be true of the Cushcraft AOP package too, but their long boomers seem to work fine, probably because of the different driven element design.)

Side note: the amateur satellites offer a wonderful real world signal source for testing steerable directional antennas. They aren't so good for testing typical terrestrial omni antennas though. That winds up to be so installation and local terrain dependent as to be almost intractable. Even careful antenna range measurements may not fully apply in your local situation because your installation may not be similar to the range at all. I've installed several different antennas at my repeater site and then did coverage tests. So far, the best amateur antenna (electrically) has been a Comet. It has also held up well mechanically in that severe environment (970 feet AGL, high winds, thunderstorms, and a once in a century ice storm didn't faze it).

>Can you direct us to plans for homebrew versions of the Comet or Diamond
>designs? I like these antennas, but would prefer one that is made in
>the U.S. (by me!)

Well the best set of plans is to buy a Comet and copy it. :-) Number 12 solid bare house wire and some UV resistant PVC pipe are all you need to duplicate one. There was an article in 73 Magazine on making a coaxial colinear that is functionally the same. A local ham made one and found it to compare reasonably well with the commercial antennas. Where home designs of this type usually fail, however, is in the mechanical details. There is usually at least one specially made part that is hard to duplicate at home.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
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Lawrenceville, GA 30244				

End of Info-Hams Digest V94 #793
